

Xiang Ji

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EDUCATION

UNIVERSITÄT TÜBINGEN

MA IN COMPUTATIONAL LINGUISTICS
Oct. 2016 - Present | Germany

UNIVERSIDAD CATÓLICA DE CHILE

COMPUTER ENGINEERING (EXCHANGE)
Aug. 2013 - Jun. 2014 | Santiago de Chile

UNIVERSITY OF HONG KONG

BENG IN COMPUTER SCIENCE
Grad. May 2016 | Hong Kong

LINKS

Blog: www.xiangji.me
StackExchange: [xji](#)
Github: [x-ji](#)

SKILLS

PROGRAMMING

Comfortable:

Elixir • Javascript • HTML • CSS

Familiar:

Python • Ruby • Java • Haskell • Rust • Julia
• C • R

Miscellaneous:

Vim • Git • Unix • Docker • Tensorflow • \LaTeX

LANGUAGES

Native:

Mandarin Chinese

Professional working proficiency:

English (SAT 2290) • German (B2) • Spanish (C1)

Limited working proficiency:

Cantonese

COURSEWORK

Deep Learning for NLP

Unsupervised Learning for NLP

Information Retrieval

Mobile Application Design and Programming

Operating Systems

Computer Networking

Compiling Techniques

Functional Programming

Programming Languages

Artificial Intelligence

Distributed Computing

EXPERIENCE

BABE PROJECT | DEVELOPER

May 2017 – Now | Tübingen

- BABE (basic architecture for browser-based experiments) is a project launched by **Prof. Michael Franke** at Uni Tübingen/Uni Osnabrück.
- **Backend** development using Elixir and Phoenix framework. **Deployment** of the backend on Heroku.
- Administration of a Uni Osnabrück server. Deployment on the server with HAProxy.

DATA STRUCTURES: NEW PERSPECTIVES | TRANSLATOR

July 2016 - May 2017

- Translation from Chinese to English of a university textbook on data structures by Prof. Zhou Xingni of Xidian University
- Book expected to be published in 2018 by Science Press and De Gruyter

QINGSHI | DEVELOPER

March 2015 - August 2015 | Shenzhen/Hong Kong

- QingShi was a Shenzhen-based food-set delivery startup launched by HKU students.
- As a member of the founding team, I was responsible for the technological aspect of the startup. I built the e-commerce website in Ruby on Rails with electronic payment integration.

SPACIOUS | SOFTWARE ENGINEER

September 2014 – May 2015 | Hong Kong

- Spacious is a HK-based property marketplace startup.
- Full-stack web development with Ruby on Rails. Work included a new dynamic landing page, a sweepstakes campaign, and backend API for interaction with mobile app.
- Mobile app development with Appcelerator Titanium. Work included universal search capabilities, app refactoring, and multi-city browsing support.

RESEARCH

HKU PL GROUP | RESEARCH ASSISTANT

July 2015 - May 2016 | The University of Hong Kong

- Worked with **Dr. Bruno C.d.S. Oliveira** on a modular programming language prototyping framework powered by Oracle Graal/Truffle.

PROJECTS

HIERARCHICAL PITMAN-YOR LANGUAGE MODEL | CLASS PROJECT FOR Unsupervised Learning for NLP

- Implementation of the hierarchical Pitman-Yor language model from Teh 2006, using the Julia programming language.
- It is a hierarchical Bayesian model extended from Hierarchical Dirichlet Processes described in Teh et al. 2006

NAMED ENTITY RECOGNITION WITH TENSORFLOW | CLASS PROJECT FOR Deep Learning for NLP

- Named entity recognition on a German corpus with a sentence-level LSTM network and a character-level RNN network.